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September 30, 2003

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Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

Mail Stop: Patent Application

22141 U.S. PTO
10/673209
09/30/03

Re: U.S. Non-Provisional Utility Patent Application under 37 C.F.R. § 1.53(b)
Appl. No.: (To Be Assigned); Filed: Herewith
For: **Methods and Systems to Compensate for a Stitching Disturbance of a Printed Pattern in a Maskless Lithography System Utilizing Overlap Without an Explicit Attenuation**
Inventors: Azat LATYPOV *et al.*
Our Ref: 1857.2100000

Sir:

The following documents are forwarded herewith for appropriate action by the U.S. Patent and Trademark Office:

1. PTO Fee Transmittal (Form PTO/SB/17);
2. PTO Utility Patent Application Transmittal (Form PTO/SB/05);
3. U.S. Utility Patent Application entitled:

Methods and Systems to Compensate for a Stitching Disturbance of a Printed Pattern in a Maskless Lithography System Utilizing Overlap Without an Explicit Attenuation

and naming as inventors:

Azat LATYPOV
Karel VAN der MAST

Commissioner for Patents
September 30, 2003
Page 2

the application consisting of:

- a. An Application Data Sheet (37 C.F.R. § 1.76);
 - b. An original and facsimile copy of the executed Declaration;
 - c. A specification containing:
 - i. 21 pages of description prior to the claims;
 - ii. 4 pages of claims (15 claims - 3 Independent);
 - iii. a one (1) page abstract;
 - d. 13 sheets of drawings: (Figures 1-10, 10A, 11, 12);
4. Authorization to Treat a Reply As Incorporating An Extension of Time Under 37 C.F.R. § 1.136(a)(3);
 5. Recordation Form Cover Sheet;
 6. An original and facsimile copy of the executed Assignment to ASML Holding, N.V., recordation of which is hereby respectfully requested;
 7. Two (2) return postcards; and
 8. Credit Card Payment Form PTO-2038 for \$790.00 to cover:
\$750.00 Filing fee for patent application; and
\$ 40.00 Assignment recordation fee.

It is respectfully requested that, of the two attached postcards, one be stamped with the filing date of these documents and returned to our courier, and the other, prepaid postcard, be stamped with the filing date and unofficial application number and returned as soon as possible.

Commissioner for Patents
September 30, 2003
Page 3

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.



Theodore A. Wood
Attorney for Applicants
Registration No. 52,374

Enclosures

::ODMA\MHODMA\SKGF_DC1;183293;1

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1619
60
U.S.
PTI
10/03/03

FEE TRANSMITTAL for FY 2003

Effective 01/01/2003. Patent fees are subject to annual revision.

 Applicant claims small entity status. See 37 CFR 1.27**TOTAL AMOUNT OF PAYMENT (\$)** **790.00****Complete if Known**

Application Number	To Be Assigned
Filing Date	Herewith
First Named Inventor	Azat LATYPOV
Examiner Name	To Be Assigned
Art Unit	To Be Assigned
Attorney Docket No.	1857.2100000

METHOD OF PAYMENT (check all that apply)

Check Credit card Money Order Other** None
 ** Charge any deficiencies or credit any overpayments in the fees or fee calculations of Parts 1, 2 and 3 below to Deposit Account No. 19-0036.

Deposit Account
 Deposit Account Number 19-0036

Deposit Account Name: Sterne, Kessler, Goldstein & Fox P.L.L.C.

The Commissioner is authorized to: (check all that apply)

- Charge fee(s) indicated below Credit any over payments
 Charge any additional fee(s) during the pendency of this application
 Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

FEE CALCULATION (continued)**3. ADDITIONAL FEES****Large Entity Small Entity**

Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid
1051	130	2051	65	Surcharge - late filing fee or oath	
1502	50	2052	25	Surcharge-late provisional filing fee or cover sheet	
1053	130	1053	130	Non-English specification	
1812	2,520	1812	2,520	For filing a request for ex parte reexamination	
1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action	
1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action	
1251	110	2251	55	Extension for reply within first month	
1252	410	2252	205	Extension for reply within second month	
1253	930	2253	465	Extension for reply within third month	
1254	1,450	2254	725	Extension for reply within fourth month	
1255	1,970	2255	985	Extension for reply within fifth month	
1401	320	2401	160	Notice of Appeal	
1402	320	2402	160	Filing a brief in support of an appeal	
1403	280	2403	140	Request for oral hearing	
1451	1,510	1451	1,510	Petition to institute a public use proceeding	
1452	110	2452	55	Petition to revive - unavoidable	
1453	1,300	2453	650	Petition to revive - unintentional	
1501	1,300	2501	650	Utility issue fee (or reissue)	
1502	470	2502	235	Design issue fee	
1503	630	2503	315	Plant issue fee	
1460	130	1460	130	Petitions to the Commissioner	
1807	50	1807	50	Processing fee under 37 CFR 1.17(q)	
1806	180	1806	180	Submission of Information Disclosure Stmt	
8021	40	8021	40	Recording each patent assignment per property (times number of properties)	\$40.00
1809	750	2809	375	Filing a submission after final rejection (37 CFR 1.129(a))	
1810	750	2810	375	For each additional invention to be examined (37 CFR 1.129(b))	
1801	750	2801	375	Request for Continued Examination (RCE)	
1802	900	1802	900	Request for expedited examination of a design application	

Other fee (specify) _____

* Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$ 40.00)

** or number previously paid, if greater; For Reissue, see above

SUBMITTED BY**Complete (if applicable)**

Name (Print/Type)	Theodore A. Wood	Registration No. (Attorney/Agent)	52,374	Telephone	202-371-2600
Signature				Date	September 30, 2003

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

::ODMA\MHODMA\SKGF_DC1;183292;1

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UTILITY PATENT APPLICATION TRANSMITTAL

(only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.	1857.2100000
First Inventor	Azat LATYPOV
Title	Methods and Systems to Compensate for a Stitching Disturbance of a Printed Pattern in a Maskless Lithography System Utilizing Overlap Without an Explicit Attenuation
Express Mail Label No.	

APPLICATION ELEMENTS*See MPEP chapter 600 concerning utility patent application contents.***ADDRESS TO:**
Mail Stop Patent Application
Commissioner for Patents
P.O. Box 1450
Alexandria VA 22313-1450

- | | |
|---|--|
| 1. <input checked="" type="checkbox"/> Fee Transmittal Form (<i>e.g.</i> , PTO/SB/17)
<i>(Submit an original, and a duplicate for fee processing)</i> | 7. <input type="checkbox"/> CD-ROM or CD-R in duplicate, large table or Computer Program
<i>(Appendix)</i> |
| 2. <input type="checkbox"/> Applicant claims small entity status.
See 37 CFR 1.27. | 8. Nucleotide and/or Amino Acid Sequence Submission
<i>(if applicable, all necessary)</i> |
| 3. <input checked="" type="checkbox"/> Specification [Total Pages <u>26</u>]
<i>(preferred arrangement set forth below)</i> | a. <input type="checkbox"/> Computer Readable Form (CRF) |
| - Descriptive title of the Invention | b. Specification Sequence Listing on: |
| - Cross Reference to Related Applications | i. <input type="checkbox"/> CD-ROM or CD-R (2 copies); or |
| - Statement Regarding Fed sponsored R & D | ii. <input type="checkbox"/> paper |
| - Reference to sequence listing, a table,
or a computer program listing appendix | c. <input type="checkbox"/> Statements verifying identity of above copies |
| - Background of the Invention | |
| - Brief Summary of the Invention | |
| - Brief Description of the Drawings (<i>if filed</i>) | |
| - Detailed Description | |
| - Claim(s) | |
| - Abstract of the Disclosure | |
| 4. <input checked="" type="checkbox"/> Drawing(s) (35 U.S.C. 113) [Total Sheets <u>13</u>] | |
| 5. Oath or Declaration [Total Pages <u>4</u>] | |
| a. <input checked="" type="checkbox"/> Newly executed (facsimile copy) | 9. <input checked="" type="checkbox"/> Assignment Papers (cover sheet & documents) |
| b. <input type="checkbox"/> Copy from a prior application (37 CFR 1.63(d))
<i>(for continuation/divisional with Box 18 completed)</i> | 10. <input type="checkbox"/> 37 CFR 3.73(b) Statement <input type="checkbox"/> Power of Attorney
<i>(when there is an assignee)</i> |
| i. <input type="checkbox"/> <u>DELETION OF INVENTOR(S)</u>
Signed statement attached deleting inventor(s)
named in the prior application, see 37 CFR
1.63(d)(2) and 1.33(b). | 11. <input type="checkbox"/> English Translation Document <i>(if applicable)</i> |
| 6. <input checked="" type="checkbox"/> Application Data Sheet. (See 37 CFR 1.76). | 12. <input type="checkbox"/> Information Disclosure Statement (IDS)/PTO-1449 <input type="checkbox"/> Copies of IDS
Citations |
| | 13. <input type="checkbox"/> Preliminary Amendment |
| | 14. <input checked="" type="checkbox"/> Two (2) Return Receipt Postcards (MPEP 503)
<i>(Should be specifically itemized)</i> |
| | 15. <input type="checkbox"/> Certified Copy of Priority Document(s)
<i>(if foreign priority is claimed)</i> |
| | 16. <input type="checkbox"/> Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach
form PTO/SB/35 or its equivalent. |
| | 17. <input checked="" type="checkbox"/> Other: <u>Authorization Under 37 C.F.R. § 1.136(a)(3)</u> |
| | <input checked="" type="checkbox"/> Other: <u>The name of the assignee is: ASML Holding, N.V.</u> |

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

Continuation Divisional Continuation-in-Part (CIP) of prior application No: _____ / _____
Prior application information: Examiner _____ Art Unit: _____

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

19. CORRESPONDENCE ADDRESS

<input checked="" type="checkbox"/> Customer Number 26111		<i>or</i> <input type="checkbox"/> Correspondence address below		
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COUNTRY	United States	TELEPHONE	(202) 371-2600	FAX (202) 371-2540
NAME (Print/Type)	Theodore A. Wood		Registration No. (Attorney/Agent)	52,374
SIGNATURE			Date	September 30, 2003

This collection of information is required by 37 CFR 1.53(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you are required to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

::ODMA\HODMA\SKGF_DC1;183324;1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Azat LATYPOV *et al.*

Appl. No.: To Be Assigned

Filed: Herewith

For: **Methods and Systems to Compensate
for a Stitching Disturbance of a
Printed Pattern in a Maskless
Lithography System Utilizing Overlap
Without an Explicit Attenuation**

Confirmation No.: To Be Assigned

Art Unit: To Be Assigned

Examiner: To Be Assigned

Atty. Docket: 1857.2100000

**Authorization To Treat A Reply As Incorporating An Extension Of
Time Under 37 C.F.R. § 1.136(a)(3)**

Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

Sir:

The U.S. Patent and Trademark Office is hereby authorized to treat any concurrent or future reply that requires a petition for an extension of time under this paragraph for its timely submission, as incorporating a petition for extension of time for the appropriate length of time. The U.S. Patent and Trademark Office is hereby authorized to charge all required extension of time fees to our Deposit Account No. 19-0036, if such fees are not otherwise provided for in such reply.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.



Theodore A. Wood
Attorney for Applicants
Registration No. 52,374

Date: September 30, 2003

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